

Listing of Claims:**Claims 1-10 (previously cancelled).**

11. (currently amended) Method ~~for~~ of determining the position of a rotationally drivable tool used in machining so that the position may be used in continued machining, having the following steps:

- providing a measuring beam (18),
- rotating a rotationally drivable tool (14),
- choosing a movement direction,
- moving the tool (14) in the chosen direction, away from the measuring beam (18), to a measuring position in which the tool (14) is separated from the measuring beam (18),
- detecting the measuring position, and
- determining the position of the tool (14) from the measuring position so that the position may be used in continued machining, wherein
- the tool (14) is positioned in the beam path of the measuring beam (18) before it is moved away from the measuring beam (18), and
- the measuring position is detected for a position of the tool (14) in which the measuring beam (18) is not interrupted during at least one revolution of the tool (14).

Claim 12. (previously added) Method according to claim 11, in which the tool (14) is positioned in the beam path of the measuring beam (18) in such a manner that the measuring beam (18) is interrupted.

Claim 13 (previously added) Method according to claim 11, in which the tool (14) is positioned in the beam path of the measuring beam (18) in such a manner that the measuring beam (18) is periodically interrupted by the rotating tool (14).

Amendment Response

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Claim 14 (previously added) Method according to claim 11, in which the tool (14) is rotated at a predetermined rotational speed.

Claim 15 (previously added) Method according to claim 11, in which the tool (14) is moved at a predetermined velocity.

Claim 16 (currently amended) Method ~~for~~ of determining the position of a rotationally drivable tool used in machining so that the position may be used in continued machining, having the following steps:

- providing a measuring beam (18),
- rotating a rotationally drivable tool (14),
- choosing a movement direction,
- moving the tool (14) in the chosen direction, away from the measuring beam (18), to a measuring position in which the tool (14) is separated from the measuring beam (18),
- detecting the measuring position, and
- determining the position of the tool (14) from the measuring position so that the position may be used in continued machining, wherein
 - the tool (14) is positioned in the beam path of the measuring beam (18) before it is moved away from the measuring beam (18), and
 - the measuring position is detected for a position of the tool (14) in which the measuring beam (18) is not interrupted during at least one revolution of the tool (14), and
 - the tool position is determined in dependence on the rotational speed and the movement velocity of the tool (14).

Claim 17 (previously added) Method according to claim 11, in which the moving of the tool (14) away from the measuring beam (18) is ended when the measuring position is reached.

Claims 18-19 (previously cancelled).

Claim 20. (currently amended) ~~Device~~ Method according to claim 11 comprising ~~an optical measuring device (10,12) with a transmitter with a transmitter (10) for emitting a measuring beam (18) and a receiver (12) for selectively receiving the measuring beam (18) wherein the step of providing a measuring beam includes providing an optical measuring device having a transmitter for emitting a measuring beam and the step of detecting the measuring position includes providing a optical measuring device having a receiver for selectively receiving the measuring beam.~~